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Notice of Allowability

Application No.

09/841,700

Applicant(s)

SORKIN ET AL.

Examiner

Ronald Baum

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/2/04.
2. ☒ The allowed claim(s) is/are 1,5,6,8-30 and 35-37.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 07262004.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

E. L. Moise
2/36
EMMANUEL L. MOISE
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William J. James, Reg. No. 40,661 on 7/28/2004.

1. Replace claims 1,35 and 37 with:

1. A method for providing security for a computer network, comprising:
generating content sets for a computer associated with the network; determining whether a user should be routed to the generated content sets; selecting one of the content sets if it is determined that the user should be routed to the generated content sets; routing the user to a network interface associated with the selected generated content set; monitoring the activities of the user with respect to the computer; preventing the user from accessing files associated with said monitoring; and preventing the user from accessing processes associated with said monitoring; wherein each generated content set is associated with one or more network interfaces associated only with that generated content set.

35. A system for providing security for a computer network, comprising: a computer configured to generate content sets for the computer, wherein the

computer is associated with the network; a plurality of network interfaces each associated with one of the content sets; and a network device configured to determine whether a user should be routed to the generated content sets, select one of the generated content sets if it is determined that the user should be routed to the generated content, and to route the user to a network interface associated with the selected generated content set; monitor the activities of the user with respect to the computer; prevent the user from accessing files associated with said monitoring; and prevent the user from accessing processes associated with said monitoring; wherein each generated content set is associated with one or more network interfaces associated only with that generated content set.

37. A computer program product for providing security for a computer network comprising a computer usable medium having machine readable code embodied therein for generating content sets for a computer associated with the network; determining whether a user should be routed to the generated content sets; selecting one of the generated content sets if it is determined that the user should be routed to the generated content sets; and routing the user to a network interface associated with the selected generated content set; monitoring the activities of the user with respect to the computer; preventing the user from accessing files associated with said monitoring; and preventing the user from accessing processes associated with said monitoring; wherein each generated

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content set is associated with one or more network interfaces associated only with that generated content set.

2. Cancel claims 2,3 and 4.

Examiner's Statement of Reasons for Allowance

3. Claims 1,5,6,8-30,35-37 are allowed over prior art.
4. This action is in reply to applicant's correspondence of 02 July 2004.
5. The objection to the specification is withdrawn.
6. The following is an examiner's statement of reasons for the indication of allowable claimed subject matter.
7. As per claims 1,35 and 37, prior art of record, NETWORK ASSOCIATES, "Network Associates Ships Cybercop Sting", Network Associates Incorporated, 16 July 1999, ("NAI") <http://www.serverwatch.com/news/print.php/1399041>, entire article, paper 5, item Q, and STAGGS, MICHAEL "IDS:RE: cybercop sting", University of Wollongong, Australia ("Staggs") via Web site <http://www.shmoo.com/mail/ids/oct99/msg00467.html> , 8 October 1999, entire article, paper 5, item J, (See MPEP 2131.01, paragraph III for multiple reference rejection criteria, where Staggs is inherent in NAI) fails to teach, alone, or in combination, of;

(claim 1) "A method for providing security for a computer network, comprising: generating content sets for a computer associated with the network; determining whether a user should be routed to the generated content sets; selecting one of the content sets if it is determined that the user should be routed to the generated content sets; routing the user to a network

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interface associated with the selected generated content set; *monitoring the activities of the user with respect to the computer; preventing the user from accessing files associated with said monitoring; and preventing the user from accessing processes associated with said monitoring; wherein each generated content set is associated with one or more network interfaces associated only with that generated content set.*” and;

(claim 35) “A system for providing security for a computer network, comprising: a computer configured to generate content sets for the computer, wherein the computer is associated with the network; a plurality of network interfaces each associated with one of the content sets; and a network device configured to determine whether a user should be routed to the generated content sets, select one of the generated content sets if it is determined that the user should be routed to the generated content, and to route the user to a network interface associated with the selected generated content set; *monitor the activities of the user with respect to the computer; prevent the user from accessing files associated with said monitoring; and prevent the user from accessing processes associated with said monitoring; wherein each generated content set is associated with one or more network interfaces associated only with that generated content set.*” and;

(claim 37) “A computer program product for providing security for a computer network comprising a computer usable medium having machine readable code embodied therein for generating content sets for a computer associated with the network; determining whether a user should be routed to the generated content sets; selecting one of the generated content sets if it is determined that the user should be routed to the generated content sets; and routing the user to a network interface associated with the selected generated content set; *monitoring the activities of*

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the user with respect to the computer; preventing the user from accessing files associated with said monitoring; and preventing the user from accessing processes associated with said monitoring; wherein each generated content set is associated with one or more network interfaces associated only with that generated content set.”

The *italicized* above claim elements dealing with “*monitoring the activities of the user with respect to the computer; preventing the user from accessing files associated with said monitoring; and preventing the user from accessing processes associated with said monitoring; wherein each generated content set is associated with one or more network interfaces associated only with that generated content set*” serving to patently distinguish the invention from prior art. Specifically, the use of *generated content set associated with one network interface associated only with a generated content set* is taught in the prior art. However, as per the applicants arguments in the previous remarks in Amendment A (July 02, 2004), the examiner finds the applicant’s arguments to be persuasive in that; “Cybercop Sting uses a single network interface to emulate a virtual network, with network addresses (e.g., IP addresses) associated with virtual systems on the virtual network all being routed to the same network interface. ... By contrast, claim 1 recites routing the user to a network interface associated with the selected generated content set wherein each generated content set is associated with one or more network interfaces associated only with that generated content set.” in the **context** of *monitoring the activities of the user* (with respect to the computer), *preventing user file and process access* patently distinguishes the invention from prior art.

Dependent claims 5,6,8-30,36 are allowable by virtue of their dependencies.

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Conclusion

8. Any inquiry concerning this communication or earlier communications from examiner should be directed to Ronald Baum, whose telephone number is (703) 305-4276. The examiner can normally be reached Monday through Friday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh, can be reached at (703) 305-9648. The Fax number for the organization where this application is assigned is 703-872-9306.

Ronald Baum

Patent Examiner

E. L. Moise
EMMANUEL L. MOISE
PRIMARY EXAMINER
A/11 2136